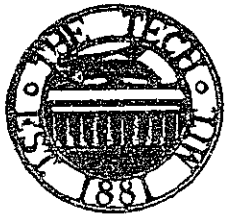


The Tech



OFFICIAL NEWSPAPER OF THE UNDERGRADUATES OF MASSACHUSETTS INSTITUTE OF TECHNOLOGY

VOL. LXXIII NO. 24

CAMBRIDGE, MASSACHUSETTS, TUESDAY, MAY 19, 1953

5 CENTS

Other Institute Services Cut With 'The Tech' Subscriptions

Among services cut at the Institute during the coming year, along with the dropping of THE TECH faculty subscriptions, are janitorial services and telephone services to the faculty. These services will be reduced as much as possible and yet maintained on what the administration considers adequate standards. These cuts are the result of an effort to reduce the Institute budget for the coming year to a minimum without decreasing academic expenses.

THE TECH faculty subscriptions have been purchased by the Institute for the past five years for every member of the faculty. Members of the faculty, starting next September, can have THE TECH delivered to them only by taking a subscription at the rates recently announced. The Institute will furnish no faculty member with THE TECH. Single subscriptions to every fraternity will also be discontinued.

Rates Reduced

Subscription rates to THE TECH will be reduced to \$2.50 per year and \$4.50 for two years, effective next fall, from the present rates of \$3.50 per year, \$6.00 for two years. This change in rates has been made chiefly to enable the faculty to continue receiving the paper regularly without having to pay the excessive rates previously set to cover extra charges and time involved in sending subscriptions to various parts of the world. It is anticipated that the number of subscriptions taken by the faculty will offset the extra expense involved with the other subscriptions.

Income from the Institute for the faculty subscriptions this year constitutes a sizeable portion of the paper's income. THE TECH requests faculty members and others now receiving the paper to seriously consider

Spotlight On Food, Dancing, Cruise For Senior Week

Senior week options can now be redeemed in Building 10 any day this week from 10 a.m. to 2 p.m. Split tickets for the weekend are now on sale. The prices are as follows: for the formal, \$6.00; the banquet, \$5.00; the informal, \$2.50; the moonlight cruise, \$3.00; the outing, \$2.50. Full weekend tickets are also available, but if you do not have an option, the price for the entire week is now \$13.00.

Plans for the weekend are complete. The stag banquet will be held on Friday, June 5 in the cage. An outside caterer is supplying a roast-beef dinner with all the trimmings. There will be all the beer you can drink from your official Class of '53 commencement mugs that will be given free to all those in attendance at the banquet. On Saturday, June 6 there will be an informal dance from 8:00 to 12:00 p.m. in Walker Memorial. The theme will be a gambling casino, and a prize will be awarded to the big winner for the evening. Once again there will be all the beer you can drink plus free refreshments.

The class outing will be held on Sunday, June 7 at the Blue Hills. Free sandwiches and potato chips will be supplied, and the affair is B.Y.O.L. (bring your own liquor). The Blue Hills can be reached easily by MTA. Full directions on how to reach it will be available at the Booth later this week. These directions will also be available to everyone at the banquet. A moonlight cruise to Nantasket and back will be held on Monday. The boat leaves the pier at 8:00 p.m. and returns at 12:00 p.m. The entire ship has been rented for the evening, and there will be refreshments available

(Continued on page 4)

Tech Tracksters Beat Northeastern In Outdoor Meet

Living up to expectations, the Cardinal and Grey track squad trounced Northeastern 78-57, last Saturday afternoon. This victory was the team's first of the 1953 outdoor season.

The Beavers finally settled down to outscore a squad they had already beaten in the indoor season, taking ten of the fifteen first places, six on the track, and four in field events. The track performance seemed especially brilliant as Coach Oscar Hedlund's charges captured 51 points to Northeastern's 20. The Huskies placed more than one man in only one track event.

The seemingly invincible Warren Latoff '55 took charge of his hurdling department, tying his own record in the high hurdles. Klein and Williams took care of the two dashes, the 100 yard and the 220 yard. In the 440, Grenier aided Williams and Klein in a sweep. Klein scored 18 points, high for the afternoon.

O'Donnell, Schreiber and Grenier finished in that order in the 880 yd. run for the Beavers second sweep. Nutley, running in third place during most of the two mile race, sprinted about 250 yards from the finish to capture second place, second only to Northeastern's New England collegiate champion two-miler, Shea. Bengsten and Farquhar collected 4 points in the mile.

In the field events, Antoine out-jumped his two Northeastern opponents to take a Tech first. Three other first places, Munro in the broad jump, McGraw in the pole vault, and Zeller in the shot put, left the Beaver squad with a deficit of only 10 points in the field events. Remembering the New Hampshire meet, in which these same events put the team 45 points behind, these 10 markers constitute a definite improvement.

The Frosh kept up their hot streak, defeating their adversaries 80-45. Co-Captain John Morefield shattered an MITAA Frosh record, by heaving the shot 54 ft., 8 1/2 in. Co-Captain Hoffman held his own in his specialty, the dashes. The pole vault produced a good result, as Burrowes, Maglione and Lawson recorded a sweep for the Beaver Rockies. A third white washing saw Gruzen, Hoffman and Steven-

(Continued on page 3)

Inscomm Plans Election Of Student Union Chairman

By Bjorn Rossing '56

Important resolutions and plans concerning the M.I.T. Student Union will be made at the conclusion of this term. Highlighted will be the election of a Student Union Chairman at the Institute Committee meeting June 5.

Nominations will be open to any student undergraduate who thinks he is eligible for the position and who has the advancement

of the Student Union at heart. Further details can be obtained from members of Inscomm and the Baker Memorial Committee.

In the month of April a conference of the American College Union was held at Berkeley, California. The Baker Memorial Committee commissioned Jay F. Koogle '53 to represent the Institute at the conference and to get as many ideas as possible for a Campus Student Union. When he returned he made a full report to Inscomm. His report specifically covered a definition of the proposed Union, the designing of a Union Building, the administration, and the financing of the Union.

According to Mr. Koogle, the conference was somewhat of a reward to outstanding students who had participated in their own college Union programs and therefore delegates seemed to be more concerned with having a good time than in exchanging ideas; however, a lot was gained just the same. The Report doesn't favor M.I.T. joining the American College Union because of student-administrator conflict. In the present college Student Union constitution and organization is a Director who is supposed to take care of the technicalities and legalities of the Union. "In many of the schools represented at the conference, the Director ran the place, determined policy, and in general was the whole show with some student helpers usually known as the Student Union Board," the report states.

Instead Mr. Koogle suggests that the Student Union accept a plan whereby a student board would initiate policies and would have invested in them the power to hire and fire employees if the need arose. It could hire a Union Manager to supervise the various employees of the Union, and be responsible for its smooth operation.

The second important point was financing the Union. According to the members of the Baker Memorial Committee, initiating a successful financial bandwagon can be the greatest test that M.I.T. student spirit has yet undergone. "It was a general observation that when the Student Body themselves took the initiative in getting themselves a Union, it was not long before the Administration recognized the importance of the program, and got behind it with all their resources. At Tech, a possible program

(Continued on page 4)

Burton House Plans "Last Chance" Dance Out On Tennis Court

No Open House Rules will interfere with the "Last Chance" dance to be held in the West Campus tennis courts next Saturday, May 23.

The dance, sponsored by the Burton House Social Committee, will be informal and will feature a band, beer and soft drinks. Atmosphere will be supplied with soft lights and possibly a campfire. Clark Weissman '56 will call a few square dances accompanied with his guitar. According to Klaus Kubierschky '56, a Social Committee member, costumes and madness are welcome.

Social Committee members plan to spend eighty dollars for refreshments and decorations. Tickets may be bought at the door or at the Burton House Desk for \$1.25. In case of rain the dance will be held in the new Burton House Lounge.

Companies Offer Several Openings To Undergraduates

Opportunities for students seeking summer employment are presented below. Further information should be obtained at the Placement Bureau, Room 1-173 from Notice No. 3339A. All those interested in any of the following jobs should apply either directly to the company concerned, where the situation is nearby, or should write to the concern.

The Jeffery Manufacturing Co. of Columbus, Ohio, which manufactures electric locomotives and mining equipment, has openings for Juniors in course II, VI, XV and XIV. In the Engineering department there is a need for men to do experimental testing and drafting, layout drawing and machine design, electrical test work and drafting, and detailing, design and testing on ore crushers and pulverizers. Factory openings are available in inventory control and methods and time study.

Men interested in working on assembly and machinery should apply directly to the Mason-Neilan regulator Company of Dorchester, Mass. There are no course restrictions for jobs at this firm, which makes valves and machinery.

Course VI Men Wanted

Sophomores and juniors in Course VI have a chance to work at the Acoustic Laboratory here at the Institute. Students who have built their own speakers or have had experience along that line are preferred.

The Langley Aeronautical Laboratory of the National Advisory Committee for Aeronautics has summer appointments for Juniors in XVI, II, VI, I and VIII. Those wishing to become Engineering Aids should fill out Form 57 and an official transcript of their work in college thus far.

The Construction Division of the Engineering Department of the Port of New York Authority has openings in survey and field parties at construction sites. Civil Engineers are preferred for these positions. The Design Department needs summer replacements for vacationing draftsmen, and some experience at board work is

(Continued on page 4)

Varsity Stops WPI, Squeezes Past 3-2

A fighting MIT varsity baseball team came from behind on Saturday against a tough WPI aggregation to win its sixth game of the season, 3-2, on a beautifully executed squeeze play by Stet Winkfield and Ben Sack, who tallied the deciding marker.

Al Hauser went the route for the Engineers, notching his fourth win of the campaign against no losses, as he yielded only four hits and struck out six. Hauser's lack of control in the early frames put him behind, 2-0, as WPI counted twice on sharp singles after Hauser had walked men.

In the eighth, the Merrittmen fought back to score twice, knotting the count on a splendid double steal by Lait and Henderson, Lait scoring the big one.

Squeeze Works In Ninth

In the ninth, Ben Sack, big first baseman, led off with his second hit of the game. White bunted, and beat the play at first. Dick Rush also bunted, and WPI's hurler elected to try to get Sack at third, and missed, all hands safe.

At this point, Coach Merritt ordered another bunt, with the count on Winkfield two strikes and no balls. The senior center fielder came through with the bunt and Sack slid across the plate with the deciding run, as the squeeze play worked to perfection.

Sack and Bob Lait led the Tech hitters with two hits apiece, as the Engineers again played errorless ball behind Hauser, picking WPI's potential winning run off third in the eighth.

Hauser was particularly impressive after regaining his control as the

(Continued on page 4)

Fleet Of Fiberglass Dinghies Brings New Look In Sailing

By Martin B. Brilliant '54

The material for the following article was taken largely from an article by Walter C. Wood in the *Technology Review*, May, 1953.

The New Look has arrived at the M.I.T. Sailing Pavilion. The wooden dinghies that have served the Institute since 1935 are gone, and their places on the racks have been taken by a fleet of forty new Fiberglass boats. The first of the sleek new gray craft was launched on June 11 last year. The first dozen arrived in time for the New England Collegiate Team Race Championship on November 8, and proved themselves in that regatta in a wide variety of sailing conditions. The fleet of forty was formally christened and launched on Saturday, May 9.

The new design, the creation of Professor Emeritus George Owen (who also designed the original wooden boats), has been adopted by many colleges in the East and the Midwest. Fiberglass boats have been purchased by the sailing clubs of De Pauw, New Hampshire, Ohio State, Purdue, Rochester, Wesleyan, and Yale Universities, and Stevens Tech, Rennselaer Polytech, and Webb Institute of Naval Architecture.

Similar Lines

The new boats are similar in their

lines to the older wooden ones. The only changes are softer lines in the stern, lower freeboard, and a slightly rounded bow. They are faster than the older boats, and practically as stable, but, unlike the ribbed and planked wooden craft they are slippery when wet. Some of them involve the innovation of a rotating mast without stays, held down by an elastic line run through a block on the deck and made fast at the bow.

(Continued on page 4)

Spring Reports Mailed June 11

Spring Term grade reports will be mailed to the HOME ADDRESS of all U. S. and Canadian students on Thursday, June 11. Reports for foreign students will be sent to their Spring Term address.

You may have your report sent elsewhere by calling at the Registrar's Office, not later than May 29.

Duplicate reports will be sent to the parents of all students under 21.

No term reports are prepared for June candidates. Grades may be obtained at the Registrar's Office after June 16.

Two Disney Movies In Last L.S.C. Film Show

Walt Disney appears in two moods in the last of this year's L. S. C. movie series, to be shown this Thursday, May 21. The feature film, "Make Mine Music," is a gay Technicolor cartoon musical revue, featuring real-life musical stars who are heard, but not seen, and a fascinating cast of characters who are seen, but do not exist.

The short, "Beaver Valley," is one of Disney's series of True-Life Adventure films. The acting is completely spontaneous and unrehearsed—the actors are all animals who did not know they were being filmed. Highlights of this film include a love song by a chorus of frogs and a comedy act by a troupe of otters.

Showings begin as usual at 5:00, 7:30 and 9:30 p.m., and the admission price is the usual thirty cents.

The Tech

VOL. LXXIII

Tuesday, May 19, 1953

No. 24

MANAGING BOARD

General Manager Edwin G. Eigel, '54
 Editor Sheldon L. Dick, '54
 Managing Editor Arthur W. Haines, '54
 Business Manager Martin B. Mills, '54

EDITORIAL BOARD

Jerome Cohen '54 Mark Caplan '54

EDITORS

Assignments Rodney W. Logan, '55
 News Norman G. Kulgein, '55
 Asst. Edward H. Kaplan, '56
 Features Frank J. Sarno, '55

MANAGERS

Secretary Klaus Zwilsky, '54
 Advertising Allan C. Schell, '55
 Treasurer Laurence Leonard, '54

STAFF MEMBERS

Frank W. Berryman, '56; Richard L. Heimer, '56; Donald Minifie, '56; Bjorn A. Rossing, '56;
 Harris Weinstein, '56; Donald Koffman, '56; Edwin Stone, '56; Henry K. Hebel, '56
 Martin B. Brilliant '54

STAFF CANDIDATES

John Seiler, '55; Stephen Edelglass, '56; Olaf Stackelberg, '55; Lester Y. M. Sen, '56;

OFFICES OF THE TECH

News, Editorial and Business—Room 020, Walker Memorial, Cambridge 39, Mass.
 Business—Room 031, Walker Memorial. Telephone: KIRkland 7-1881, KIRkland 7-1882,
 M.I.T. Ext. 2731.

Mail Subscription \$2.50 per year, \$4.50 for two years.
 Published every Tuesday and Friday during college year, except during college vacation,
 and mailed under the Postal Act of March 31, 1879.
 Represented for national advertising by National Advertising Service, Inc., College Pub-
 lishers Representative, 420 Madison Ave., New York, N. Y.

Night Editor: Norman Kulgein '55

CALENDAR OF EVENTS

MAY 20 TO MAY 26, 1953

WEDNESDAY, MAY 20

Associated General Contractors of America—Student Chapter.
 Lecture: "Air Base Construction in North Africa." A. D. Isola
 ('50) and Vincent A. Frasca ('51). Room 10-340, 4:00 p.m.

Catholic Club. Elections; Business Meeting. Room 2-190, 5:00 p.m.

Chemistry Department. Harvard-M.I.T. Physical Chemistry Col-
 loquium: "Some Problems in the Physical Chemistry of Ion-
 Exchange Resins." Dr. K. S. Spiegler, Polytechnic Institute of
 Brooklyn. Harvard University, Mallinckrodt MB-23, 8:00 p.m.

THURSDAY, MAY 21

Freshman Track Team. Meet with Moses Brown Preparatory
 School. Briggs Field, 1:30 p.m.

Freshman Golf Team. Game with Watertown High School. Sandy
 Brook Country Club, Wayland, Mass., 2:15 p.m.

School of Architecture and Planning. Lecture: "The Future of
 Housing." Professor William L. C. Wheaton, Harvard Univer-
 sity. Room 3-311, 4:00 p.m.

Physics Department. Colloquium: "Band Spectra and Nuclear
 Spins of the Selenium Isotopes." Dr. Sumner P. Davis. Room 6-
 120, 4:15 p.m.

Lecture Series Committee. Films: "Make Mine Music" and "Beaver
 Valley." Room 1-190, 5:00, 7:30, 9:30 p.m. 30 cents.

FRIDAY, MAY 22

Freshman Baseball Team. Game with Huntington Preparatory
 School. Briggs Field, 3:30 p.m.

Mechanical Engineering Department. Seminar: "Heat Transfer
 With Surface Boiling." Professor John A. Clark. Room 3-270,
 4:00 p.m. Coffee in Room 3-174 from 3:30 to 4:00 p.m.

SATURDAY, MAY 23

Modern Languages Department. Graduate Language Examination:
 German. Room 1-245, 10:00 a.m. - 12:00 noon.

Modern Languages Department. Graduating Language Examina-
 tions: French, Russian. Room 1-245, 2:00 - 4:00 p.m.

Freshman Baseball Team. Game with Tufts College. Briggs Field,
 2:30 p.m.

TUESDAY, MAY 26

Christian Science Organization. Subject: "Alertness." Tyler
 Lounge, Walker Memorial, 5:15 p.m.

EXHIBITIONS

Photographic Salon prints by Mr. and Mrs. H. D. Archer of
 Geneseo, New York, will be shown in the Photo Service Gallery,
 Basement of Building 11, through June 1.

Finnish paintings, sculpture, arts, and crafts will be exhibited
 in the New Gallery of the Charles Hayden Memorial Library
 through June 15.

CALENDAR OF EVENTS

The Calendar of Events will not be published during the sum-
 mer term. The next Calendar will appear in the first Tuesday
 edition of THE TECH in the fall, and will be sent separately to
 subscribers as usual.

as you like it

By Robert A. Stone '55

In the second act of "Me and Juliet," the latest Rodgers and Ham-
 merstein show, there is a song be-
 moaning the fact that the theater is
 fading out. This is all so much hog-
 wash. For as long as there are such
 talented people in show business as
 Rodgers and Hammerstein, along with
 Robert Alton (choreography) and Jo
 Mielziner (scenery) and such capable
 actors and actresses as are in this
 newest show, the theater is as far
 from fading out as is Old Glory.

Rodgers and Hammerstein have
 come up with a new smash hit, a show
 that may outshine "Oklahoma!" and
 "The King and I," and that may com-
 pare favorably with "South Pacific."
 The musical score is one of the best
 written by the incomparable pair.
 Robert Alton's choreography is a de-
 light, and Jo Mielziner's scenery may
 well be the best job he has done, in
 a career that includes three Donald-
 son awards for best scenic designer.

"Me and Juliet" is a play about

backstage and onstage life. The plot
 concerns itself with a company of
 young actors and actresses who are
 currently playing in the show-within-
 a-show, "Me and Juliet." A singer in
 the chorus falls for the assistant
 stage manager but their love affair
 is seriously threatened by the jealous
 actions of her old boyfriend, an elec-
 trician who is somewhat off his rocker
 and who tries to kill the couple. A
 sub-plot deals with the stage manager
 who makes a rule of never getting
 involved with girls in the cast.
 "There's plenty of cute stuff in the
 show across the street," is how he
 puts it. Of course, the girl from
 across the street gets a featured role
 in "Me and Juliet" and more troubles
 start. Needless to say, all ends well.

Lively Cast

The acting is superb. Isabel Bigley,
 the "mission doll" of Guys and Dolls,
 once more won the heart of every
 man in the audience as the chorus
 girl. Joan McCracken is a terrific
 dancer and a fine comedienne. Her
 dances with Bob Fortier, the "Pal
 Joey" dancer are among the high
 points of the show. Bill Hayes, late

of "Your Show of Shows," is in fine
 voice in the heart warming role of
 the assistant stage manager, and Ray
 Walston (Luther Billis to "South
 Pacific" fans) is fine as the patient
 but exasperated stage manager. The
 part of the electrician is very remi-
 niscent of Jud Fry in Oklahoma!, the
 same strange and frightening char-
 acter whose actions, incidentally,
 closely parallel those of Jud. Mark
 Dawson is completely convincing in
 this villain role. Probably never be-
 fore has a musical comedy audience
 watched the conductor so closely as
 it watches George Irving, a very
 funny man who bounces around be-
 tween the stage and the orchestra pit.

The musical score will undoubtedly
 supply several hits for the juke boxes,
 namely "No Other Love," "Keep It
 Gay," and "Marriage Type Love."
 "It's Me," a comedy number with
 Isabel Bigley and Joan McCracken,
 stops the show; and "Intermission
 Talk," just what the name implies, is
 one of the cleverest pieces seen in
 some time in a musical show.

The worst thing that could be said
 about "Me and Juliet," from a critic's
 viewpoint is that nothing was found
 to criticize. So you'd better beg, bor-
 row, or steal, a ticket, if you can
 while the show is in Boston. For once
 Me and Juliet hits New York there is
 going to be one long, long wait for
 seats.

G. L. FROST CO., INC.

AUTOMOBILE BODY REPAIRING & REFINISHING

F. E. PERKINS
 Tel. ELiot 4-9100

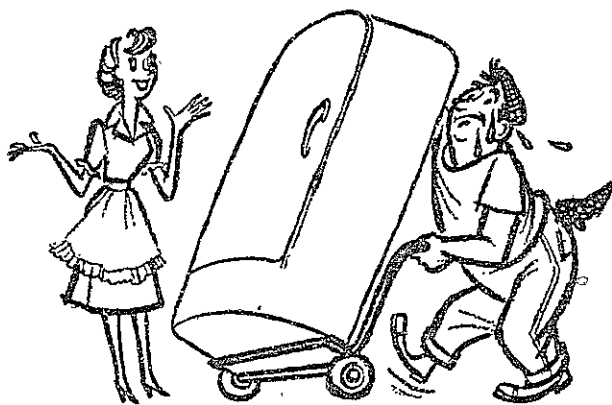
31 LANSDOWNE STREET
 CAMBRIDGE, MASS.

Lewandos

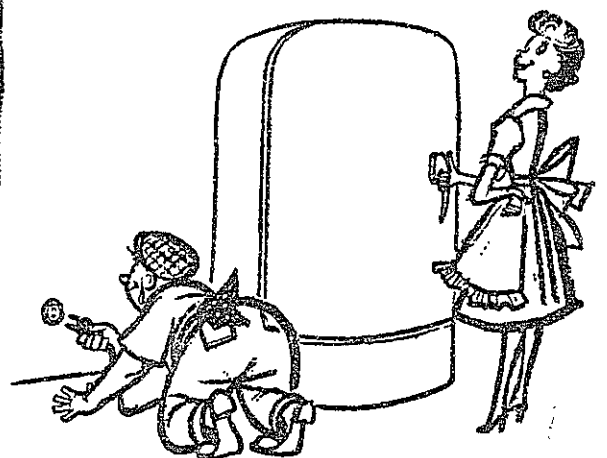
BRING IT TODAY
WEAR IT TONIGHT

Cleansing or Laundry—No Extra Charge

88 MASS. AVE. Opposite M.I.T.



Though the Springsun's warm on your back



it's always winter in your refrigerator

that's why Ballantine



Beer is deep-brewed for

flavor that chill can't kill

Ballantine brews for flavor! For lightness,
 yes! For dryness, of course! But first, last,
 and always, Ballantine brews for flavor.
 The fine, full flavor of
 the world's choicest
 grains and hops is
 brewed so deep in
 this beer that chill
 can't kill it.
 Every glass just
 brims with flavor.



How cold do you like your beer?

Good and cold, if you're like
 most people. Beer is usually
 served at temperatures ranging
 from 35° to 42° Fahrenheit.

Ballantine Beer is deep-
 brewed to hold its flavor at
 whatever temperature you like best!



BALLANTINE BEER

Beaver Lightweights Take Third In Easterns; Heavyweights Eliminated

Both light and heavy crews took part in Eastern Intercollegiate Championship regattas Saturday, and although neither team fared particularly well, the lights put up an excellent battle in their race. At Washington, the varsity heavyweights failed to qualify for the finals, as National Champion Navy won its nineteenth successive race. Meanwhile, at Princeton, New Jersey, the lights placed second in their qualifying heat, but then finished third of four in the finals.

In the heavyweight races, the Engineers were never in the race as they puffed home a good four seconds behind fifth-place Rutgers with the next-to-slowest time of the day. The afternoon finals saw Navy, pressed all the way by Harvard, sprint home a third of a boat length ahead of the Cantabs to keep their undefeated skein intact.

Frosh Excel

The heavy jayvees fared poorly, as they placed last in their heat with a far from good time of 6:46.6. The freshmen did best of all, taking a second in their morning qualifying heat, with the good time of 6:26.7. In the afternoon the Beaver cubs slipped from their excellent morning performance as they finished fifth behind winning Cornell.

Lights Do Well

The Beaver lightweights did well as they placed second, ahead of defending champion Pennsylvania, in the morning qualifying heat. In the afternoon, however, they were unable to better their earlier time, and finished third behind Princeton and Yale, ahead of Harvard. The Princeton winning time of 6:40.5 was three-tenths of a second better than the previous record for the mile and five-sixteenths course.

With the exception of the June National Championships at Syracuse, this is the last race of the year for the Engineers. While the heavies have not fared very well so far, the lights have completed a very successful season, losing only in the Championships on Saturday.

Track Team

(Continued from Page 1)

sen finish in the broad jump in that order.

Varsity results:
HIGH HURDLES: 1. Lattot, MIT; 2. Cline, NU; 3. Munro, MIT. Time: 15.0
100 YD. DASH: 1. Klein, MIT; 2. Dreselly, NU; 3. Becker, MIT. Time: 10.2
MILE RUN: 1. Ollen, NU; 2. Bengsten, MIT; 3. Farquhar, MIT. Time: 4:23.3
440 YD. RUN: 1. Williams, MIT; 2. Klein, MIT; 3. Grenier, MIT. Time: 50.6
2 MILE RUN: 1. Shea, NU; 2. Nutley, MIT; 3. Johnson, NU. Time: 9:43.0
LOW HURDLES: 1. Lattot, MIT; 2. Dreselly, NU; 3. Chihoski, MIT. Time: 24.5
880 YD. RUN: 1. O'Donnell, MIT; 2. Schreiber, MIT; 3. Grenier, MIT. Time: 1:58.5
220 YD. RUN: 1. Klein, MIT; 2. Williams, MIT; 3. Fiedler, NU. Time: 2:17
POLE VAULT: 1. McGraw, MIT; 2. (tie) Shepero, MIT; King, NU. Height: 10'6"
HAMMER THROW: 1. Sells, NU; 2. Belkin, NU; 3. Schwenk, MIT. Distance: 154'10 1/4"
HIGH JUMP: 1. Antoine, MIT; 2. (tie) McKay, NU; Clark, NU. Height: 6'1"
SHOT PUT: 1. Zeller, MIT; 2. Barbara, NU; 3. Sells, NU. Distance: 40'8 1/4"
BROAD JUMP: 1. Munro, MIT; 2. Dreselly, NU; 3. Fulton, NU. Distance: 21'8"
DISCUSS: 1. Belkin, NU; 2. Canon, NU; 3. Sells, NU. Distance: 116'2 1/2"
JAVELIN: 1. King, NU; 2. Bernstein, MIT; 3. Hersey, MIT. Distance: 147'5 1/4"

Frosh results:
HIGH HURDLES: 1. Pendleton, NU; 2. Baum, NU; 3. Foltz, MIT. Time: 16.9
100 YD. DASH: 1. Hoffman, MIT; 2. Mulholland, MIT; 3. Hefford, NU. Time: 10.3
MILE RUN: 1. Ryan, NU; 2. Campot, NU; 3. Smith, MIT. Time: 4:43.2
440 YD. RUN: 1. Hefford, NU; 2. Hoffman, MIT; 3. Saloma, MIT. Time: 51.7
LOW HURDLES: 1. Merkl, MIT; 2. Pendle-

Tech Sailors Qualify For National Regatta; Harvard N.E. Champ

Sailing against the eight top teams in New England, the Beaver yachtsmen emerged as one of the two qualifiers for the National Championships to be held in mid-June. Harvard, however, was top scorer and thus captures the Coast Guard Alumni Bowl, symbolic of New England team supremacy.

The Engineers had gone ahead of the Crimson by ten points on Saturday, but Harvard's Charlie Hoppin, National Championship high point skipper came through in Sunday's drizzle to take three firsts to give Harvard the victory by the narrowest of margins. Tech took an easy second, ahead of Rhode Island and the rest of the field.

Sailing for Tech were, in the A division, Ted Garcia '54 and Alain de Berc '55. In the B division, Edward Melaika '53 and John Riemann '54. The Beaver substitute was Peter Felsenthal '54.

The order of finish of the team was as follows: Harvard, M.I.T., Rhode Island, Middlebury, Coast Guard, Dartmouth, Yale, Tufts and W.P.I.

Once more the Beavers have been unable to defeat Harvard when the chips were down. The Beaver sailors defeated the Cantabs several times this spring in other regattas, but could not win the Coast Guard Bowl. Last fall, Tech was the only New College sailing team to beat the Crimson, but Harvard eventually took the Fowle Trophy, symbolic of full supremacy.

Harvard and M.I.T., as the top two teams, qualify for the National Championships, to be held at Kings Point,

ton, NU; 3. Baum, NU. Time: 26.2
880 YD. RUN: 1. Palamoutain, MIT; 2. Copson, NU; 3. Wicky, NU. Time: 2:04.4
220 YD. DASH: 1. Hoffman, MIT; 2. Saloma, MIT; 3. Hefford, NU. Time: 22.2
POLE VAULT: 1. Burrows, MIT; 2. Maghione, MIT; 3. Lawson, MIT. Height: 11'0"
SHOT PUT: 1. Morefield, MIT; 2. Grinker, MIT; 3. Circeo, MIT. Distance: 54'3 1/2"
(Record)
HIGH JUMP: 1. Murphy, NU; 2. Gruzen, MIT. Height: 5'8"
HAMMER THROW: 1. Miller, MIT; 2. Berestechy, NU; 3. Morefield, MIT. Distance: 158'9"
BROAD JUMP: 1. Gruzen, MIT; 2. Hoffman, MIT; 3. Stevenson, MIT. Distance: 19'11"
DISCUSS: 1. Berestechy, NU; 2. Morefield, MIT; 3. Circeo, MIT. Distance: 115'10"
JAVELIN: 1. Morefield, MIT; 2. Morris, MIT; 3. Murphy, NU. Distance: 180'9 1/4"

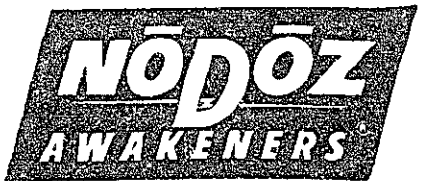
...banish BOOK FATIGUE



KEEP ALERT SAFELY!

Your doctor will tell you ... a NoDoz Awakener is harmless as an average cup of hot, black coffee. Take a NoDoz Awakener when you cram for that exam... or when mid-afternoon brings on those "3-o'clock cobwebs." You'll find NoDoz gives you a lift without a let-down... helps you snap back to normal and keep alert SAFELY! When fatigue is a handicap, take a NoDoz Awakener. Used by millions of busy Americans since 1933.

• ON THE HIGHWAY • ON THE JOB • AFTER HOURS



ASK FOR THE LARGE ECONOMY SIZE

Amherst Rallies To Beat Techmen In Lacrosse Bout

Once more the Beaver lacrosse team came to grief, as Amherst tallied five times in the second period to clinch a 6-3 win. The defeat was the eighth in nine games for the Martinmen. Meanwhile, the frosh took their second straight, coming from behind to defeat Tabor, 7-5.

The Engineers started off well, with the attack pressing all during the first quarter. Ace scorer Bruce Murray '53 tallied twice to bring his season's total to 6 goals, and Guerdon Coombs '54 added another to give the Techmen a 3-1 lead at the end of the period. The defensemen were not playing up to par, however, and as the attack let down after the grueling first period, Amherst rallied. Led by Bradford, who scored three times, and Aphor, with two goals and an assist, the Lord Jeffs ran up five goals and a 6-3 halftime lead.

The second half was featured by the fine work of the Tech defense. Despite numerous assaults on the goal, Amherst was unable to score. The Beaver attacks had given their all during the first period and were unable to score again. The game ended, after a scoreless second half, with Amherst still leading, 6-3.

The scoring in the game:

Amherst 1 5 0 0 - 6
M.I.T. 3 0 0 0 - 3

Tech scoring — Goals: Murray, 2. Coombs. Assists: Brown, Trevitt, Conlin.

Season Ends

The 1953 lacrosse season comes to a close with this game. The varsity compiled a rather poor record of 1 and 8, defeating only Worcester Tech.

(Continued on Page 4)

New York, June 16 through 19. In the sixteen year history of the National Championship regatta, a New England entry has emerged victorious eleven times. At present, Harvard is the defending champ.

On Sunday, May 24, at 2:00 p.m., the annual Bosun's Initiation will be held at the Sailing Pavilion. All are welcome to witness this interesting spectacle.

-THE TECH-

WALKER MEMORIAL

Enclosed find..... Please send THE TECH for

() one, () two years starting with the Fall Term, 1953 to:

Name.....

Address.....

Rates: One year, \$2.50; Two years, \$4.50.

SAVE TIME!
SAVE MONEY!



FLY HOME ON A UNITED AIR TOURIST FLIGHT!

Take advantage of United's new air tourist service linking 15 major cities. Often, the cost is less than 1st class rail fare plus lower berth. Or enjoy United's fine 1st class Mainliner service to 77 cities from coast to coast.

COMPARE THE FAIR AND YOU'LL GO BY AIR



HAWAII!

United's Hawaiian vacations including transportation cost as low as \$243, plus tax, from the West Coast.

Boston: for reservations, call Hancock 6-9500 or an authorized travel agent.

MASSACHUSETTS INSTITUTE OF TECHNOLOGY CAMBRIDGE, MASSACHUSETTS

THE MASSACHUSETTS INSTITUTE OF TECHNOLOGY offers the following Professional Courses:

School of Architecture and Planning

Architecture

Aeronautical Engineering
Building Engineering and Construction
Chemical Engineering
Chemical Engineering Practice
Civil Engineering
Options: Theory and Design
Planning and Administration
Construction and Management
Electrical Engineering
Options: Electric Power
Electrical Communications
Electronic Applications

City Planning

School of Engineering

Electrical Engineering-Cooperative Course
General Engineering
Marine Transportation
Mechanical Engineering
Metallurgy
Options: Metallurgy
Mineral Engineering
Meteorology
Naval Architecture and Marine Engineering

School of Science

Geology
Options: Geology
Geophysics
Mathematics
Physical Biology
Physics
Quantitative Biology
Science Teaching

School of Humanities and Social Studies

Economics and Engineering
Courses: Based on Mechanical Engineering
Based on Electrical Engineering
Based on Chemical Engineering

School of Industrial Management

Business and Engineering Administration
Courses: Based on Physical Sciences
Based on Chemical Sciences

The duration of each of the above undergraduate Courses is four academic years and leads to the Bachelor's degree, with the following exceptions: (1) Architecture, which is a five-year course leading to the Bachelor's degree; (2) Chemical Biology, Food Technology (Five Year Course), Physical Biology, and the Cooperative Course in Electrical Engineering, which extend over a period of five years and lead to the Bachelor's degree and the Master's degree; (3) Science Teaching, which is of five years' duration and leads to the degree of Bachelor of Science from the Massachusetts Institute of Technology and the degree of Master of Arts in Teaching from Harvard University.

Graduate study may be pursued in Textile Technology, Ceramics, Sanitary Engineering, and in most of the above professional Courses. The Master's and Doctor's degrees are offered in most of these fields.

For information about admission, communicate with the Director of Admissions.

The Catalogue for the academic year will be sent free on request.

Microtomic

keeps pace with the world's fastest moving industries

Microtomic—the finest example of research in drawing pencils. Designed to stand the most rigid drafting room comparisons. Test them today!

Only Microtomic offers you—

HI-DENSITY LEADS

Lines are absolutely opaque to actinic rays.

ABSOLUTELY UNIFORM

Every Microtomic of the same degree marking is identical.

NEW DUSK GRAY

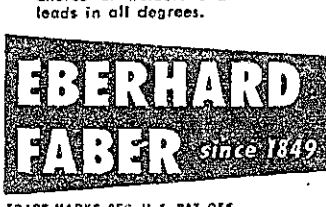
Professional men acclaim it the best color for a drawing pencil.

BULL'S EYE DEGREE MARKING

Easier to read—easier to find—positive identification.

ALSO

Choice of holders and Microtomic leads in all degrees.



TRADE MARKS REG. U. S. PAT. OFF.

Amherst Beats Lacrossemen*(Continued from page 3)*

Perhaps the one bright spot during the year was the scoring of veteran Bruce Murray who tallied 16 times in the nine games. The playmakers were John Brown '55, who had four goals and six assists, and John Trevitt '53, with a goal and nine assists.

The Beaver's biggest weakness was their lack of depth, since the attack often faltered during the second half, and several games were lost after Tech had taken an early lead.

Freshmen Triumph

Putting on their biggest scoring spurge of the year, the Beaver yearlings overcame a 4-1 deficit to defeat Tabor Academy on Saturday at Marion, Massachusetts. Captain Marinos Gerakaris, Peter Dyke, and G. J. Davis, each scored twice to give the frosh the win. The victory was the second in a row for the yearlings, and gave them a season's record of two wins against three losses.

Senior Week Schedule*(Continued from page 1)*

with plenty of room for dancing (to the music of Freddy Guerra). The climax of the week will be the senior ball held at the Sheraton Plaza on Tuesday, June 9 from 9:00 to 12:00 (later if our funds permit). Music will again be by Freddy Guerra and his fifteen piece orchestra.

Remember the "Texas Fifth" will be auctioned off to the holder of the lucky option number at the formal.

Varsity Baseball Wins*(Continued from Page 1)*

young sophomore showed poise and courage all the way.

Frosh Win

Led by Pitcher Marshall Rogan, the Tech yearlings turned in their best performance of the season, defeating Andover Academy in the ninth inning by a score of 1-0. This brings the record to two wins and six defeats.

Rogan, having lost a one-hitter previously this year, limited the prep-schoolers to two scratch hits, pitching a superb ballgame.

Summer Employment*(Continued from page 1)*

essential. When writing, students are requested to state their training and experience, as well as type of work preferred and date on which they will be available for work.

Summer jobs in paperboard and carton folding operations may be had by any interested students at the Robert Gair Company of Uncasville, Conn. Students will be required to do night work if assigned.

Western Electric Company at Kearny, N.J., needs Course VI Juniors for Engineer of Manufacture positions. They will assist in developing and specifying manufacturing methods, in working initial "bugs" out of designs and production facilities. For example they will do such work as performance tests on new electronic test equipment built for use in the shop, setting up methods and instructions for testing new designs and analyzing and correcting abnormalities in transmission networks.

Report On Student Union*(Continued from page 1)*

for a new Union could well start with the Institute Committee. If that body decided that they wanted a new Union, and were able to get the rest of the students interested to the point of taxing themselves a certain amount each term, then, with this annual income, a long range program could be set up toward the day when sufficient funds had been collected to back a bond issue for the remainder."

The location of the new Student Union Building will be where the Walton's Cafeteria is now located almost opposite the entrance to Building 7. The next issue of THE TECH will carry a topographical view of the completed auditorium, plaza, chapel, and Student Union.

The Student Union project is the second in a series of humanitarian projects sponsored by the Baker Memorial Committee in memory of Dean Baker. Another project will be undertaken this coming year by the Committee under the chairmanship of Michael B. Boylan '54.

New Fiberglas Dinghies*(Continued from page 1)*

Made of fiberglas laminations in a mold, the boats are painted before they are made, since the coloring is in a surface layer that is applied to the inside of the mold. The boats have compartments fore and aft filled with air, without which they would sink if overturned. The new hulls are tough and strong, and quickly and easily repaired. It is expected that the cost of maintenance will be considerably reduced.

New Names

Many of the donors of the original boats have repeated their support in the new fleet, but many of the boats

have new names. The trend to technical names is less evident on the new craft, many of which sport the names of famous old yachts. The Dervish is named after the favorite yacht of the late Henry A. Morss '93, one of the founders of the Nautical Association. The name of the America's Cup defender Ranger appears on a boat donated by Harold S. Vanderbilt, and on a nearby rack, a gift of Robert B. Smallwood, is the Shamrock, named after the challenging yacht of Sir Thomas Lipton. The America is named after the famous old yacht, which was at one time the flagship of the M.I.T. Yacht Club. Other names familiar to yachtsmen are Pierre S. du Pont's ('90) Barlovento and Alfred

L. Loomis's Northern Light. The Astrea, the gift of Richard L. Bowditch '23, is named after the ship on which his ancestor, Nathaniel Bowditch, worked out his navigation tables. Among the names repeated from the old fleet are James F. McElwain's ('97) Shooting Star, William Emerson's (Professor Emeritus of Architecture) Architect, and Henry E.

Warren's ('94) Telechron. Professor Owen named his boat Whirl after one of his first and most successful racing craft.

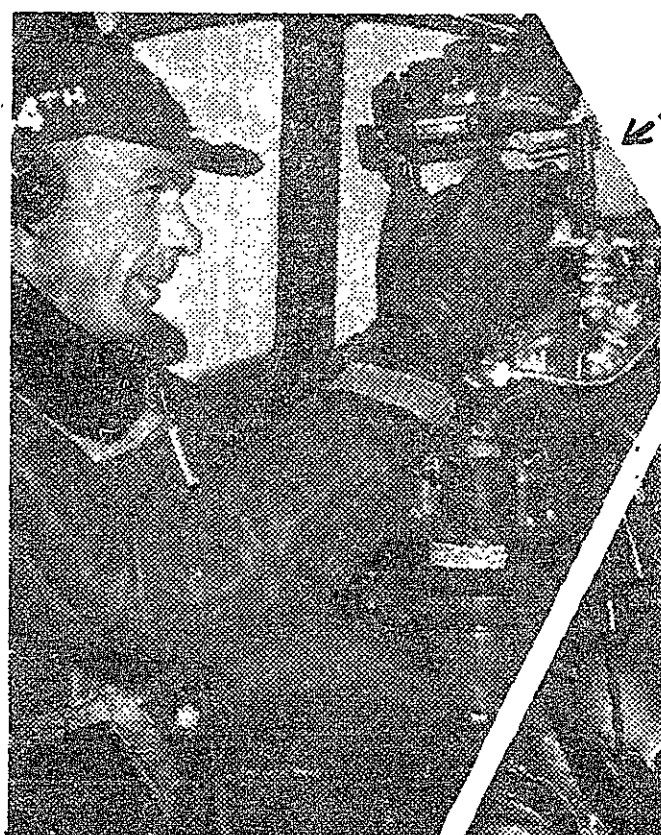
Professor Erwin H. Schell '12, who sparked the creation of the original fleet, continued his interest by leading the program to supply the new fleet. Professor Schell made the formal presentation at the ceremonies of May 9.

TECHNIQUE ON SALE

This Week in Building 10

Redeem Your Options Now

TRIPLE THREAT MAN!



AIRCRAFT OBSERVER



AIRCRAFT OBSERVER



AIRCRAFT OBSERVER

The Brains of the Team

Teamwork can work miracles. In a football game the man who sparks these miracles is the quarterback. He's the man who calls the signals. There's a man who calls the signals for an Air Force flying team, too! They call him an Aircraft Observer.

Do YOU have what it takes to become an Aircraft Observer?

It isn't easy. It's tough. You have to be a MAN to qualify as an Aircraft Observer. But when you are one, brother, you're SOMEBODY! The success or failure of a mission involving over a million dollars worth of flight equipment depends on you.

THE AIRCRAFT OBSERVER IS THE SOMEBODY WHO:

As **Bombardment Officer**, is number one man on a bombing run, the man who controls the plane in the target area!

As **Navigation Officer**, is the pilot's guiding hand on every flight!

As **Radar Officer**, is master of a new science and operator of the device that sees beyond human sight!

As **Aircraft Performance Engineer Officer**, is the one who "keeps the plane flying", the man who knows his plane in-

side and out, who keeps it fit for the skies and sees that it stays there!

If YOU can accept a challenge like this, you'll take your place beside the best—you'll find your future in the clouds!

TO BE QUALIFIED you must be single, a citizen, between 19 and 26½ years old, have had at least 2 years of college and be in tip top physical shape. If this describes you, then YOU, too, can qualify. Today!

HERE'S WHAT YOU'LL GET! The world's best training. Good food and plenty of it. Uniforms, flight clothes, equipment. Medical and dental care. Free insurance. Flight training in Uncle Sam's greatest aircraft.

AND THEN, AFTER GRADUATION, you'll win your silver wings, and earn more than \$5000 a year as an Air Force Lieutenant. You'll enjoy an adventurous, exciting career with a hand-picked crew of real men. You'll be THE BRAINS OF THE TEAM, A TRIPLE THREAT MAN... as a Bombardment Officer, as a Navigation Officer, as a Radar Officer, as an Aircraft Performance Engineer.

**THE SOONER YOU APPLY, THE SOONER YOU FLY!**

GET THE DETAILS: Visit your nearest Air Force Base or Air Force Recruiting Officer. Or write to Director of Training, Headquarters, USAF, Washington 25, D.C., Attention: Aviation Cadet Branch. If you are in a school that has an Air Force ROTC program, see your Professor of Air Science and Tactics.

New Aircraft Observer Cadet Training Classes Begin Every Two Weeks



**AIRCRAFT
OBSERVER PROGRAM**

